

CHAPTER 7CCONFIGURATED ROOFING AND SIDING7C-01. SHOP DRAWINGS AND SAMPLESa. Material Approval

(1) Has the contractor received approval of layout drawings and material certification for the galvanized or the aluminum coated steel; the aluminum or the factory color finished metal or the asbestos cement corrugated sheets, sealant, fasteners, special shapes and accessories?

(2) Design calculations shall also be submitted for approval.

(3) Check for certified test results on factory color finish. Is a high-performance finish specified?

(4) Does sheet configuration (depth) match-up with roof slope?

b. On-Site Checking of Materials

Approved shop drawings, samples, and installation instructions will continually be used to check against contractor's operation.

7C-02. STORAGE AND PROTECTIONa. Storage

(1) Inspect bundles on arrival at the jobsite. Check galvanized and aluminum for white rust. This condition is cause for rejection.

(2) See that materials are properly stacked and protected from traffic and weather.

(3) See that material is stacked in a manner that will provide drainage and prevent abuse.

b. Protection

(1) Material will be handled in a manner that will avoid breaks, cracks, chips or other defects.

(2) Check material while being handled at the site for any defects and reject defective material.

7C-03. INSTALLATIONa. Fastening

(1) Check the sealant for color, type, and method of application. Sealant is required at all joints of roof sheets and should be specified for side laps of wall sheets in locations where wind-driven rain is common.

(2) Check fastener for type, size and spacing.

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(3) Use aluminum fasteners with aluminum sheets.

(4) Check for washers. There is usually a requirement for lead, neoprene, or metal-capped neoprene washers.

(5) Fasteners must be driven normal to the surface and with sufficient depth to seat the washer.

(6) What correction is permitted if any for misplaced drill holes in roofing or siding sheets?

b. Application

(1) Check length of end laps. Lay side laps away from the prevailing wind.

(2) Check for proper drilling and cutting.

(3) See that all accessories and special shapes are provided in conformance with shop drawings as necessary to make a complete and watertight installation.

(4) Check for molded closure strips.

(5) Expansion joints should be provided as detailed.

(6) Is specified insulation used? Blanket or board type? Is application in accordance with manufacturer*s instruction? Will thickness satisfy "U" value required?

(7) Is a rigid steel or plywood wall liner or wainscot used? Check for configuration, attachment and finish. Is the plywood treated for fire resistance?

c. Asbestos - Cement Sheets

(1) Check for latest safety and health requirement for cutting and drilling asbestos.

(2) Is vacuum required? Is water jet required?